NT 002648 7/29 (E)

PTO/SB/106(8-96)

Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。	As a below named inventor, I hereby declare that:
私の住所、私書箱、国籍は下記の私の氏名の後に記載された 通りです。	My residence, post office address and citizenship are as stated next to my name.
下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者(下記の氏名が一つの場合)もしくは最初かつ共同発明者であると(下記の名称が複数の場合)信じています。	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
	OPTICAL HEAD AND FABRICATION METHOD
上記発明の明細書(下記の欄で×印がついていない場合は、 本書に添付)は、	The specification of which is attached hereto unless the following box is checked:
	was filed on as United States Application Number or PCT International Application Number and was amended on (if applicable).
私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

PTO/SB/106(8-96)

Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration (日本語官言書)

私は、米国法典第35編119条 (a)-(d) 項又は365条(b) 項に基き下記の、米国以外の国の少なくとも一カ国を指定している特許協力条約365 (a)項に基ずく国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示している。

Prior Foreign Application(s) 外国での先行出願

11-232136	Japan
(Number)	(Country)
(番号)	(国名)
(Number)	(Country)
(番号)	(国名)

私は、第35編米国法典119条 (e) 項に基いて下記の米国 特許出願規定に記載された権利をここに主張いたします。

> (Application No.) (出願番号)

(Filing Date) (出願日)

私は、下記の米国法典第35編120条に基いて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条 (c) に基ずく権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

(Application No.) (Filing Date) (出願番号) (出願日)

(Application No.) (Filing Date) (出願番号) (出願日)

私は、私自身の知識に基ずいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じるところに基ずく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基ずき、間金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行なえば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。I hereby declare that all statements made herein of my own

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed 優先権主張なし

19/August/1999	
(Day/Month/Year Filed)	
(出願年月日)	
(Day/Month/Year Filed)	
(出願年月日)	

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

> (Application No.) (出願番号)

(Filing Date) (出願日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of application.

(Status: Patented, Pending, Abandoned) (現況:特許許可済、係属中、放棄済)

(Status: Patented, Pending, Abandoned) (現況:特許許可済、係属中、放棄済)

knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

PTO/SB/106(8-96) (Modulated spacing)
Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration (日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の手 POWER OF ATTORNEY: As a named inventor, I hereby appoint 続きを米特許商標局に対して遂行する弁理士または代理人とし the following attorney(s) and/or agent(s) to prosecute this て、下記の者を指名いたします。(弁護士、または代理人の氏 application and transact all business in the Patent and Trademark 名及び登録番号を明記のこと) Office connected therewith (list name and registration number) Thomas E. Beall, Jr., Reg. No.22,410; John R. Mattingly, Reg. No.30,293; Daniel J. Stanger, Reg. No.32,846; Shrinath Malur, Reg. No.34,663; Gene W. Stockman, Reg. No.21,021; Jeffrey M. Ketchum, Reg. No.31,174; and Scott W. Brickner, Reg. No.34,553. **事類送付先** Send Correspondence to: **BEALL LAW OFFICES** 104 East Hume Avenue Alexandria, Virginia 22301 直接電話連絡先: (氏名及び電話番号) Direct Telephone Calls to: (name and telephone number) Telephone: (703) 684-1120 Fax: (703) 684-1157 唯一または第一発明者 Full name of sole or first inventor Kimio TATSUNO 発明者の署名 日付 Inventor's signature. Si uni 住所 Tokyo, Japan 国籍 Citizenship Japan 私書箱 Post Office Address c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan

(第二以降の共同発明者についても同様に記載し、署名をする こと)

(Supply similar information and signature for second and subsequent joint inventors.)

PTO/SB/106(8-96)

Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

第二共同発明者	Full name of second joint inventor, if any
Att - U Comment de - III de	Masahide TOKUDA
第二共同発明者の署名 日付 	Second inventor's signature Date Masah-de, Johnda 2/15/2000
住所	Residence
	Ome, Japan
国籍	Citizenship
	Japan
私書箱	Post Office Address
	c/o Hitachi, Ltd., Intellectual Property Group
	New Marunouchi Bldg. 5-1, Marunouchi 1-chome,
	Chiyoda-ku, Tokyo 100-8220, Japan
第三共同発明者	Full name of third joint inventor, if any
	Hirohisa SANO
第三共同発明者の署名 日付	Third inventor's signature Date
	1 Linder Set 2/8/2000
住所	Residence
· · · · ·	Niiza, Japan
国籍	Citizenship
	Japan
 私書箱	Post Office Address
	c/o Hitachi, Ltd., Intellectual Property Group
	New Marunouchi Bldg. 5-1, Marunouchi 1-chome,
	Chiyoda-ku, Tokyo 100-8220, Japan
第四共同発明者	Full name of fourth joint inventor, if any
米 白天间无例名	Toshiaki TANAKA
第四共同発明者の署名 日付	Fourth inventor's signature Date
另四天阿光明在少 名石 [1]	Foliaka 78/2000
 住所	Residence
正/月	
FE147X	Kodaira, Japan
国籍	Citizenship
升	Japan Different Addresses
私書箱	Post Office Address
	c/o Hitachi, Ltd., Intellectual Property Group
	New Marunouchi Bldg. 5-1, Marunouchi 1-chome,
数 T 11 三 30 四 40	Chiyoda-ku, Tokyo 100-8220, Japan
第五共同発明者	Full name of fifth joint inventor, if any
Marrie II. El mante de Elle de	Takeshi SHIMANO
第五共同発明者の署名 日付 	Fifth inventor's signature Date Scheehi Shimano 2/10/2000
住所	Residence
	Tokorozawa, Japan
国籍	Citizenship
	Japan
私書箱	Post Office Address
	c/o Hitachi, Ltd., Intellectual Property Group
	New Marunouchi Bldg. 5-1, Marunouchi 1-chome,
	Chiyoda-ku, Tokyo 100-8220, Japan

PTO/SB/106(8-96)

Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

nu NAKAMURA inventor's signature Date NAKAMURA NAKAMURA 2/9/2000 ence kawa, Japan Inship Office Address tachi, Ltd., Intellectual Property Group Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA Inth inventor's signature Pate And All Intellectual Property Group Office Address tachi, Ltd., Intellectual Property Group
Action of the control
Aswa, Japan Inship Diffice Address Itachi, Ltd., Intellectual Property Group Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any Inhi MAEDA Inth inventor's signature Pate Date Dat
Office Address tachi, Ltd., Intellectual Property Group Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA oth inventor's signature pare punji, Japan office Address tachi, Ltd., Intellectual Property Group
Office Address tachi, Ltd., Intellectual Property Group Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA oth inventor's signature ence punji, Japan office Address tachi, Ltd., Intellectual Property Group
Office Address tachi, Ltd., Intellectual Property Group Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA oth inventor's signature ence punji, Japan office Address tachi, Ltd., Intellectual Property Group
tachi, Ltd., Intellectual Property Group Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA oth inventor's signature ence punji, Japan othip Office Address tachi, Ltd., Intellectual Property Group
tachi, Ltd., Intellectual Property Group Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA oth inventor's signature ence punji, Japan othip Office Address tachi, Ltd., Intellectual Property Group
Marunouchi Bldg. 5-1, Marunouchi 1-chome, da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA oth inventor's signature pate day of the color ence punji, Japan othinship Office Address tachi, Ltd., Intellectual Property Group
da-ku, Tokyo 100-8220, Japan ame of seventh joint inventor, if any thi MAEDA onth inventor's signature conce the punji, Japan onship office Address tachi, Ltd., Intellectual Property Group
ame of seventh joint inventor, if any thi MAEDA onth inventor's signature Pate conceptunji, Japan onship office Address tachi, Ltd., Intellectual Property Group
thi MAEDA thi inventor's signature Pate the pate pate pate the pate pate pate the pate pate pate pate the pate pate pate pate the pate pate pate pate pate the pate pate pate pate pate pate pate pat
onth inventor's signature Date Lasolo 2/15/2000 ence ence enunji, Japan Office Address tachi, Ltd., Intellectual Property Group
ounji, Japan nship Dffice Address tachi, Ltd., Intellectual Property Group
nship Dffice Address tachi, Ltd., Intellectual Property Group
nship Dffice Address tachi, Ltd., Intellectual Property Group
Office Address tachi, Ltd., Intellectual Property Group
Office Address tachi, Ltd., Intellectual Property Group
tachi, Ltd., Intellectual Property Group
Marunouchi Bldg. 5-1, Marunouchi 1-chome,
da-ku, Tokyo 100-8220, Japan
ame of eighth joint inventor, if any
ARIMOTO i inventor's signature Date , ,
(iking aringto 2/14/2002)
ence
ı, Japan
nship
Office Address
tachi, Ltd., Intellectual Property Group
Marunouchi Bldg. 5-1, Marunouchi 1-chome,
da-ku, Tokyo 100-8220, Japan
ame of ninth joint inventor, if any
inventor's signature Date
inventor's signature Date
ence
ence

LIST OF INVENTORS' NAMES AND ADDRESSES

Kimio TATSUNO, Tokyo, JAPAN;

Masahide TOKUDA, Ome, JAPAN;

Hirohisa SANO, Niiza, JAPAN;

Toshiaki TANAKA, Kodaira, JAPAN;

Takeshi SHIMANO, Tokorozawa, JAPAN;

Shigeru NAKAMURA, Tachikawa, JAPAN;

Takeshi MAEDA, Kokubunji, JAPAN;

Akira ARIMOTO, Huchu, JAPAN.